

CH-2D3D

2D to 3D Converter Box

Operation Manual

Draft Manual



CH-2D3D

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• **Safety Precautions**

Please read all instructions before attempting to unpack or install or operate this equipment, and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

• **Revision History**

<u>Version No</u>	<u>Date</u>	<u>Summary of Change</u>
RDV1	20110126	Preliminary Release
RDV2	20110315	

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1. Introduction

The CH-2D3D Converter Box offers real-time conversion of 2D content. Using this device you can easily create a 3D video using 3D TV/display. Instead of purchasing an expensive 3D DVDs, this device allows you to convert 2D formats into other 3D formats, for instance 2D content to SBS (Side-by-Side Half).

2. Applications

- Home entertainment
- Showroom environment

3. Package Contents

- 2D to 3D Converter Box
- 5V/2.6A DC power adaptor
- User Manual

5. Features

- Supports 2D to Side-by-Side (half)
- Supports up to 1080p@60Hz and 720p@120Hz 8-bits
- The CH-2D3D has a built in EDID. When the display is HDMI or DVI the EDID will copy the displays' EDID Block0 and modify Block1's EDID to show. 3D content and display image.
- Supports 2D interlace video input bypass but does not support 3D interlace video or the conversion of 2D interlace into 3D
- Supports HDCP source, but does not support the HDCP repeater function.

5. Specifications

TMDS clock frequency

Color depth

Color space

Input port

1 x HDMI

Output port

1 x HDMI

Input/output resolution

480p@60,576p@50,720p@60,720p@50,720p@100,
720p@120,1080p@24,1080p@50,1080p@60

Power supply

5V/2.6A DC (US/EU standards, CE/FCC/UL certified)

Dimensions (mm)

90(W) x 120(D), 30(H)

Chassis material

Plastic

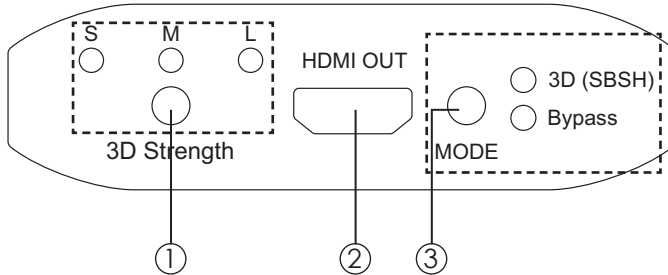
Silk Screen color

Black

6. Operation Controls and Functions

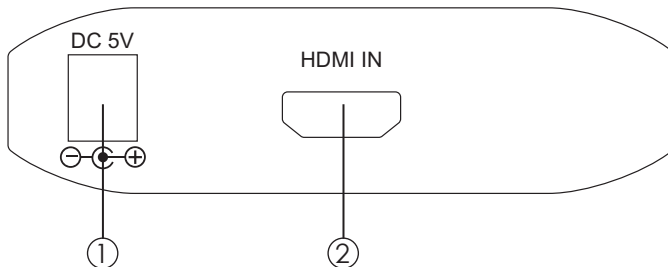
The following sections describe the hardware components of the unit.

7.1 Front Panel



- ①. 3D Strength: Press to select 3D image strength (Small/Middle/Large).
- ②. HDMI out: Connect the HDMI output ports to the 3D HDMI display.
- ③. Mode select:
 - Press the mode button to select SBS (Side-by-Side) 3D output or bypass mode.
 - When the output display is not appearing, then user needs to check the TV's 3D setting is on SBSH or select to bypass mode.

7.2 Rear Panel



- ①. DC 5V: This slot is where you plug the 5V DC power supply into the unit and connect the adaptor to an AC wall outlet.
- ②. HDMI IN: This slot is where to connect the 2D source with HDMI output port.

8. Connection and Installation

2D Source



2D DVD Player

2D Video



3D Side-by-Side Help



3D TV



Acronyms

Acronym	Complete Term
CAT5/6	Category 5 / 6 Cable
ESD	Electrostatic Discharge
LED	Light-emitting Diode
RJ45	Registered Jack 45
USB	Universal Serial Bus



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